

In the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application.

Claims 1-12 (canceled):Claim 13 (new):

An apparatus for inserting medical instruments into a human head, comprising:

a device configured to be fixedly positioned relative to a human skull, wherein the device configured to be fixedly positioned relative to a human skull is invisible under magnetic resonance imaging;

an instrument insertion channel movably connected to the device configured to be fixedly positioned relative to a human skull, wherein the instrument insertion channel is invisible under magnetic resonance imaging;

a means for determining the relative position of the instrument insertion channel with respect to the device configured to be fixedly positioned relative to a human skull such that once the position of the device configured to be fixedly positioned relative to a human skull is known the position of the instrument insertion channel is known;

at least three positioning markers fixedly positioned with respect to the device configured to be fixedly positioned relative to a human skull, wherein the positioning markers can be distinguished from one another by magnetic resonance imaging, wherein the position of the device configured to be fixedly positioned relative to a human skull can be determined by monitoring the at least three positioning markers under magnetic resonance imaging such that the position of the instrument insertion channel can be determined via the means for determining the relative position of the instrument insertion channel with respect to the device configured to be fixedly positioned relative to a human skull; and

a means for showing a virtual image of the instrument insertion channel in a magnetic resonance image of the human head.